5

10

15

20

## **ABSTRACT**

## ACCESSING A ERP APPLICATION OVER THE INTERNET USING STRONGLY TYPED DECLARATIVE LANGUAGE FILES

The present invention provides a method and apparatus for executing ERP application requests in a computer-implemented ERP data processing system via a network, using the steps of:

- (a) transmitting a HyperText Markup Language (HTML) input form to a browser executed by a client computer in the network for display on a monitor attached thereto;
- (b) receiving a HyperText Transfer Protocol (HTTP) request from the browser to access the ERP System, wherein the request optionally includes data entered by the user into an HTML input form;
- (c) transferring any data entered by the user into the HTML input form and any data stored in the requested HTML page into the ERP application API
  - (d) transferring control to the ERP application for execution;
- (e) receiving output data from the ERP application in response to the transmitted data and request;
- (f) merging the output data from the ERP application into a strongly typed Java object;
- (g) transforming the strongly typed Java objects into a transmittable format, such as XML or HTML, and
- (h) transmitting the HTML or XML object to the browser for display on the monitor attached to the client computer.